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--9. The microchip controller board according to claim 3, wherein a shape of the disconnected portion of said operating circuit pattern is formed into circularity.--

REMARKS

Claims 1-9 are pending. Claims 3 and 4 are amended to eliminate multiple dependencies and claims 7-9 are added to compensate for subject matter deleted from multiple dependent claims 3 and 4. Prompt and favorable consideration on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Respectfully submitted,



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JAO:TJP/zmc

Attached: APPENDIX

Date: July 25, 2001

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APPENDIX

Changes to Claims:

Claims 7-9 are added.

The following are marked-up versions of the amended claims:

3. (Amended) The microchip controller board according to claim 1-~~or 2~~, wherein the gap of the disconnected portion of said operating circuit pattern is 0.2 mm or less.

4. (Amended) The microchip controller board according to claim 1~~any one of claims 1 to 3~~, wherein a shape of the disconnected portion of said operating circuit pattern is formed into circularity.

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